**Week 7 homework**

**220962404 , roll no 65**

1.Develop a Web Application for Grocery Checklist Generation as shown in the figure

below. It must have checkboxes which must be populated on page load listing grocery

items. On clicking the Add Item button the selected Items and their prices have to be

displayed in a Table. Set the borderstyle and border width for the table and its cells.

**grocery.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Grocery Checklist</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f7f7f7;

margin: 0;

padding: 20px;

}

h1 {

text-align: center;

color: #4caf50;

}

.container {

width: 80%;

margin: 0 auto;

background-color: white;

padding: 20px;

border-radius: 8px;

box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

}

form {

margin-bottom: 20px;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

table,

th,

td {

border: 2px solid #4caf50;

}

th,

td {

padding: 10px;

text-align: center;

}

th {

background-color: #4caf50;

color: white;

}

td {

background-color: #f2f2f2;

}

.total {

font-weight: bold;

font-size: 18px;

}

</style>

</head>

<body>

<div class="container">

<h1>Grocery Checklist</h1>

<form method="post">

{% csrf\_token %} {{ form.as\_p }}

<button type="submit">Add Item</button>

</form>

{% if selected\_items %}

<h2>Selected Items</h2>

<table>

<thead>

<tr>

<th>Item</th>

<th>Price</th>

</tr>

</thead>

<tbody>

{% for item, price in selected\_items %}

<tr>

<td>{{ item|title }}</td>

<td>{{ price }}</td>

</tr>

{% endfor %}

<tr>

<td class="total" colspan="2">Total: {{ total\_price }}</td>

</tr>

</tbody>

</table>

{% endif %}

</div>

</body>

</html>

**views.py**

from django.shortcuts import render

from .forms import GroceryForm

def index(request):

selected\_items = []

total\_price = 0

form = GroceryForm(request.POST or None)

if form.is\_valid():

items = form.cleaned\_data['grocery\_items']

prices = {

'wheat': 40,

'jaggery': 200,

'dal': 80,

}

for item in items:

selected\_items.append((item, prices[item]))

total\_price += prices[item]

return render(request, 'grocery.html', {'form': form, 'selected\_items': selected\_items, 'total\_price': total\_price})

**forms.py**

from django import forms

class GroceryForm(forms.Form):

grocery\_items = forms.MultipleChoiceField(

widget=forms.CheckboxSelectMultiple,

choices=[

('wheat', 'Wheat - 40'),

('jaggery', 'Jaggery - 200'),

('dal', 'Dal - 80'),

],

required=False,

label="Select items"

)

**urls.py**

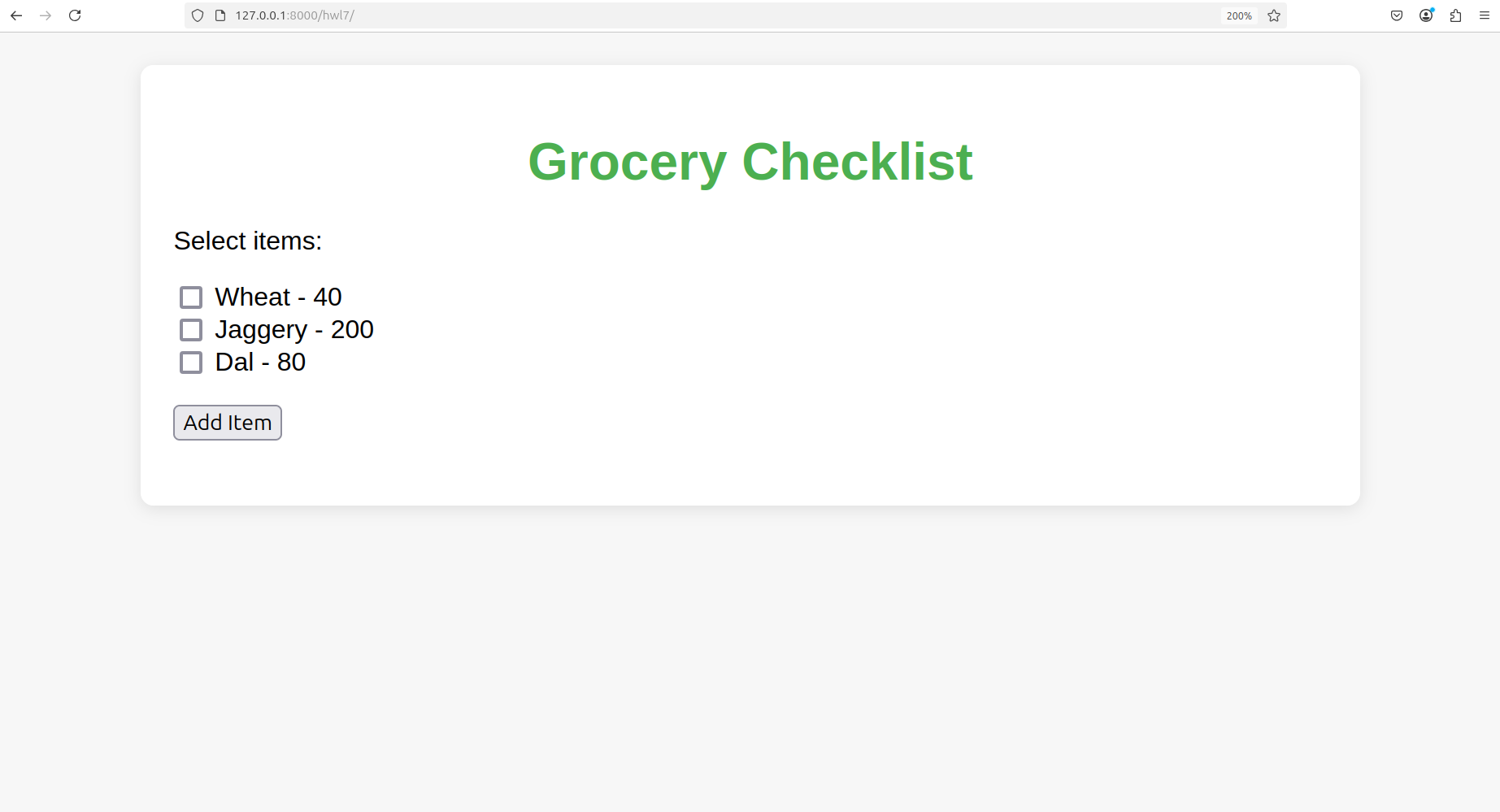
from django.urls import path

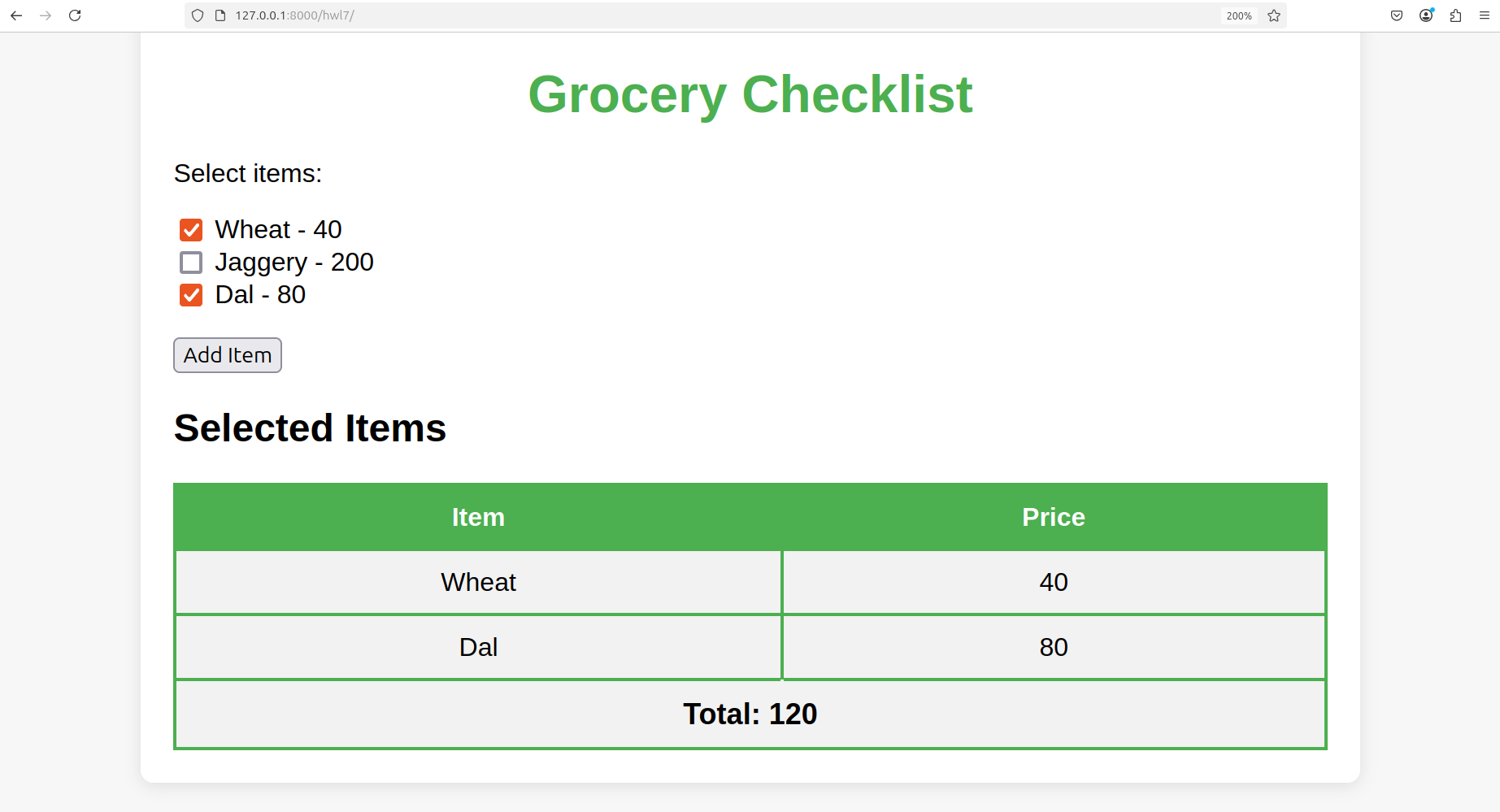
from . import views

urlpatterns = [

path('', views.index, name='grocery')

]

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